

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
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EFS ID: 11513
Application ID: 09681720
Title of Invention: Differential Dense Wavelength
Division Multiplexing (DDWDM)
in Optical Systems
First Named Inventor: Mohsen Sarraf
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2001-05-25
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: Sarraf 26
Digital Certificate Holder: cn=Joseph J. Opalach, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: vU6bjnfzquZfUT7Cwg0NpA==
Total Fees Authorized: \$830.0
Payment Category: DA - Deposit Account
Deposit Account Number: 122325
Deposit Account Name: Joseph J. Opalach



11513 09681720 2001-05-25 Utility Patent Filing new-utility 0 Sarraf 26 cn=Joseph J. Opalach, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US vU6bjnfzquZfUT7Cwg0NpA== \$830.0 DA - Deposit Account 122325 Joseph J. Opalach

TRANSMITTAL FORM



Electronic Version 1.0.2

Stylesheet Version: 1.0

Attorney Docket Number: Sarraf 26

Differential Dense Wavelength Division Multiplexing (DDWDM) in Optical Systems

First Named Inventor: Mr. Mohsen Sarraf

SUBMITTED BY

Name:	Mr. Joseph J Opalach Esq.
Registration Number:	36229
Electronic Signature Mark: /jjopalach	Date Signed: 20010525

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Attached Files:

specification	sarraf26.xml
declaration	Sarraf 26 dec pg 1.tif
declaration	Sarraf 26 dec pg 2.tif
bibd-transmittal	Sarraf 26apds.xml

fee-transmittal
patent-assignment

Sarraf 26fee.xml
Sarraf 26asgn.xml

Attached Image File(s):

Sarraf 26 dec pg 1.tif

Sarraf 26 dec pg 2.tif

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Comments:

40011	40012	40013	40014	40015	40016	40017	40018	40019	40020	40021	40022	40023	40024	40025	40026	40027	40028	40029	40030	40031	40032	40033	40034	40035	40036	40037	40038	40039	40040	40041	40042	40043	40044	40045	40046	40047	40048	40049	40050	40051	40052	40053	40054	40055	40056	40057	40058	40059	40060	40061	40062	40063	40064	40065	40066	40067	40068	40069	40070	40071	40072	40073	40074	40075	40076	40077	40078	40079	40080	40081	40082	40083	40084	40085	40086	40087	40088	40089	40090	40091	40092	40093	40094	40095	40096	40097	40098	40099	40100	40101	40102	40103	40104	40105	40106	40107	40108	40109	40110	40111	40112	40113	40114	40115	40116	40117	40118	40119	40120	40121	40122	40123	40124	40125	40126	40127	40128	40129	40130	40131	40132	40133	40134	40135	40136	40137	40138	40139	40140	40141	40142	40143	40144	40145	40146	40147	40148	40149	40150	40151	40152	40153	40154	40155	40156	40157	40158	40159	40160	40161	40162	40163	40164	40165	40166	40167	40168	40169	40170	40171	40172	40173	40174	40175	40176	40177	40178	40179	40180	40181	40182	40183	40184	40185	40186	40187	40188	40189	40190	40191	40192	40193	40194	40195	40196	40197	40198	40199	40200	40201	40202	40203	40204	40205	40206	40207	40208	40209	40210	40211	40212	40213	40214	40215	40216	40217	40218	40219	40220	40221	40222	40223	40224	40225	40226	40227	40228	40229	40230	40231	40232	40233	40234	40235	40236	40237	40238	40239	40240	40241	40242	40243	40244	40245	40246	40247	40248	40249	40250	40251	40252	40253	40254	40255	40256	40257	40258	40259	40260	40261	40262	40263	40264	40265	40266	40267	40268	40269	40270	40271	40272	40273	40274	40275	40276	40277	40278	40279	40280	40281	40282	40283	40284	40285	40286	40287	40288	40289	40290	40291	40292	40293	40294	40295	40296	40297	40298	40299	40300	40301	40302	40303	40304	40305	40306	40307	40308	40309	40310	40311	40312	40313	40314	40315	40316	40317	40318	40319	40320	40321	40322	40323	40324	40325	40326	40327	40328	40329	40330	40331	40332	40333	40334	40335	40336	40337	40338	40339	40340	40341	40342	40343	40344	40345	40346	40347	40348	40349	40350	40351	40352	40353	40354	40355	40356	40357	40358	40359	40360	40361	40362	40363	40364	40365	40366	40367	40368	40369	40370	40371	40372	40373	40374	40375	40376	40377	40378	40379	40380	40381	40382	40383	40384	40385	40386	40387	40388	40389	40390	40391	40392	40393	40394	40395	40396	40397	40398	40399	40400	40401	40402	40403	40404	40405	40406	40407	40408	40409	40410	40411	40412	40413	40414	40415	40416	40417	40418	40419
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M. Sarraf

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name

I believe I am an original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **Differential Dense Wavelength Division Multiplexing (DDWDM) In Optical Systems** the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identification specification, including the claims, as amended by an amendment, if any, specifically referred in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of a foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of that application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that the statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or a patent issued thereon.

I hereby appoint the following attorney(s) with full power of substitution and revocation to prosecute said application, to make alterations and amendments therein, to receive a patent, and to transact all business in the Patent and Trademark Office connected therewith:

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Inventor's signature  Date 5/9/01

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FEE TRANSMITTAL

Electronic Version 1.0.4

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 830

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

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Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

SUBMITTED BY

Authorized Name: Joseph J. Opalach

Electronic Signature Mark: /jjopalach

Date Signed: 20010525

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 710

Subtotal For Basic Filing Fee: \$ 710

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 14	103	\$ 18	0	\$ 0
Independent Claims: 4	102	\$ 80	1	\$ 80

Subtotal For Extra Claims Fees: \$ 80

ADDITIONAL FEES

Fee Description	Fee Code	Fee Paid
Recording Each Patent Assignment Per Property Fee	581	\$ 40

Subtotal For Additional Fees: \$ 40